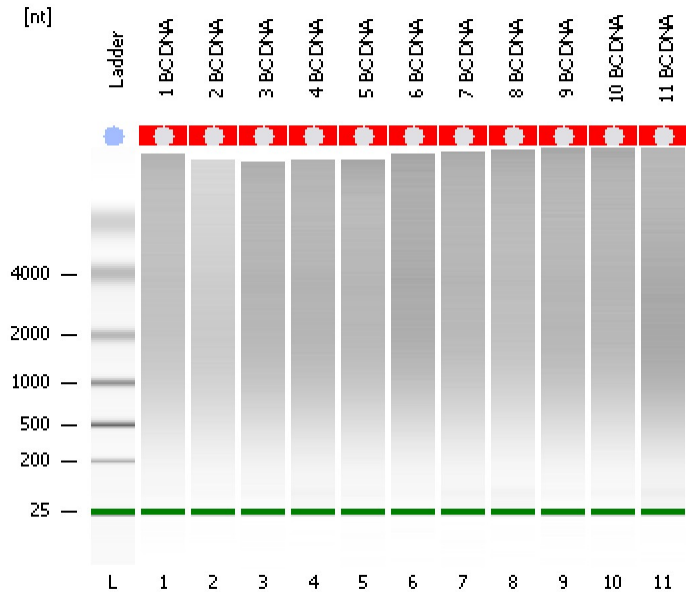


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electrophoresis File Run Summary



Instrument Information:

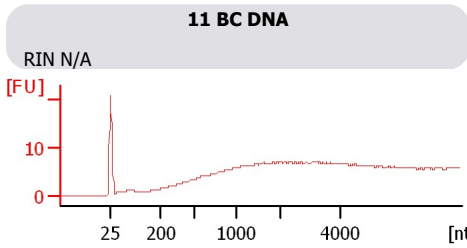
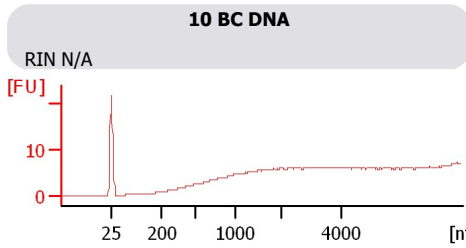
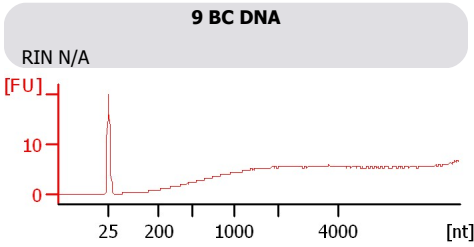
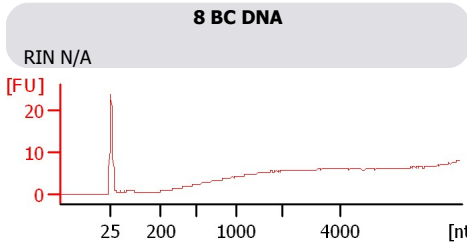
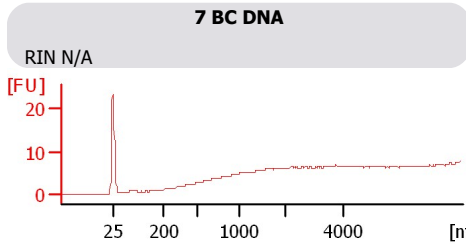
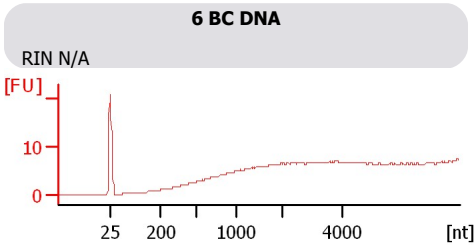
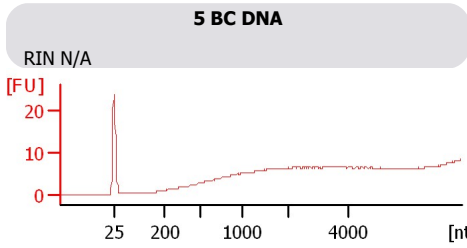
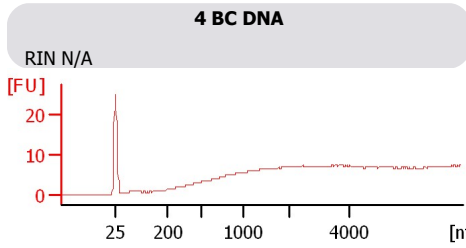
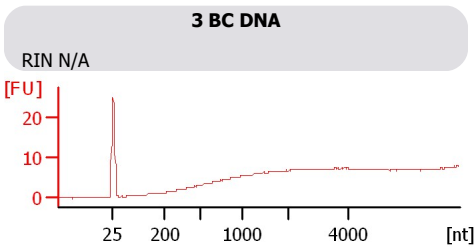
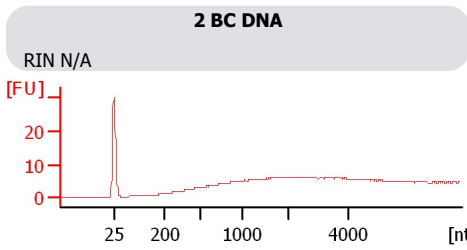
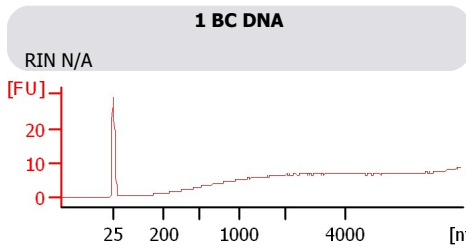
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
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Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
 Modified: 8/18/2016 12:39:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1 BC DNA		✓	RIN N/A	
2 BC DNA		✓	RIN N/A	
3 BC DNA		✓	RIN N/A	
4 BC DNA		✓	RIN N/A	
5 BC DNA		✓	RIN N/A	
6 BC DNA		✓	RIN N/A	
7 BC DNA		✓	RIN N/A	
8 BC DNA		✓	RIN N/A	
9 BC DNA		✓	RIN N/A	
10 BC DNA		✓	RIN N/A	
11 BC DNA		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 18

End Analysis Time Range [s] : 69

Ladder Concentration [pg/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ μ l] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.3

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

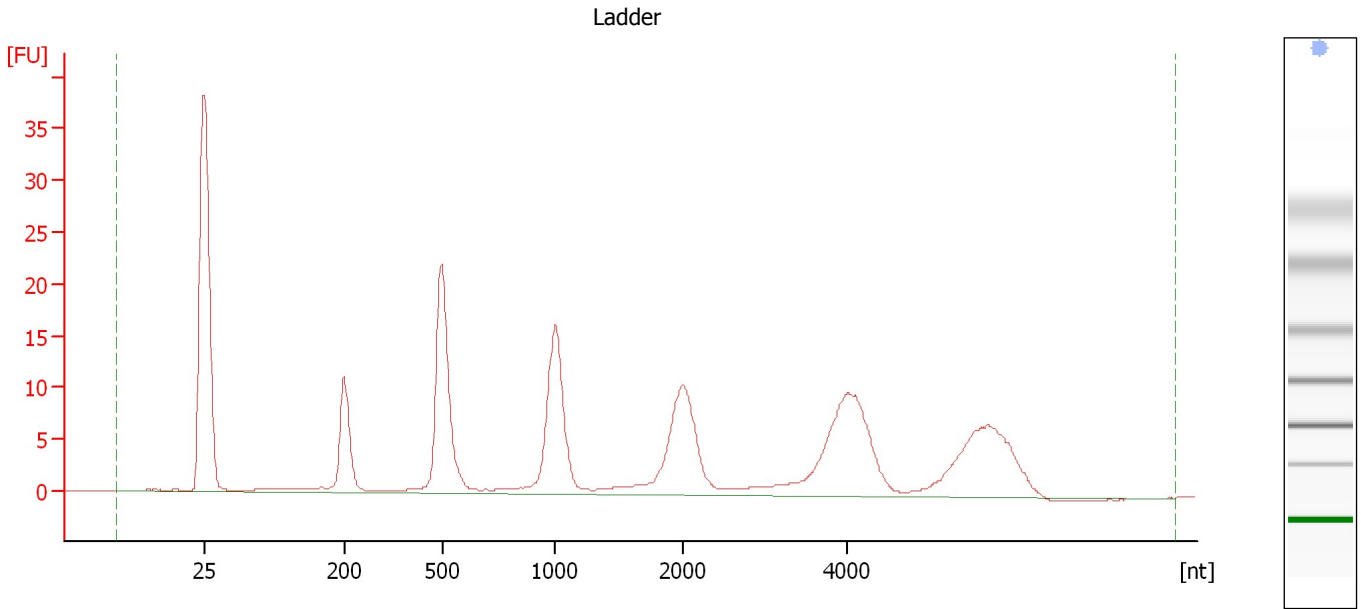
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary



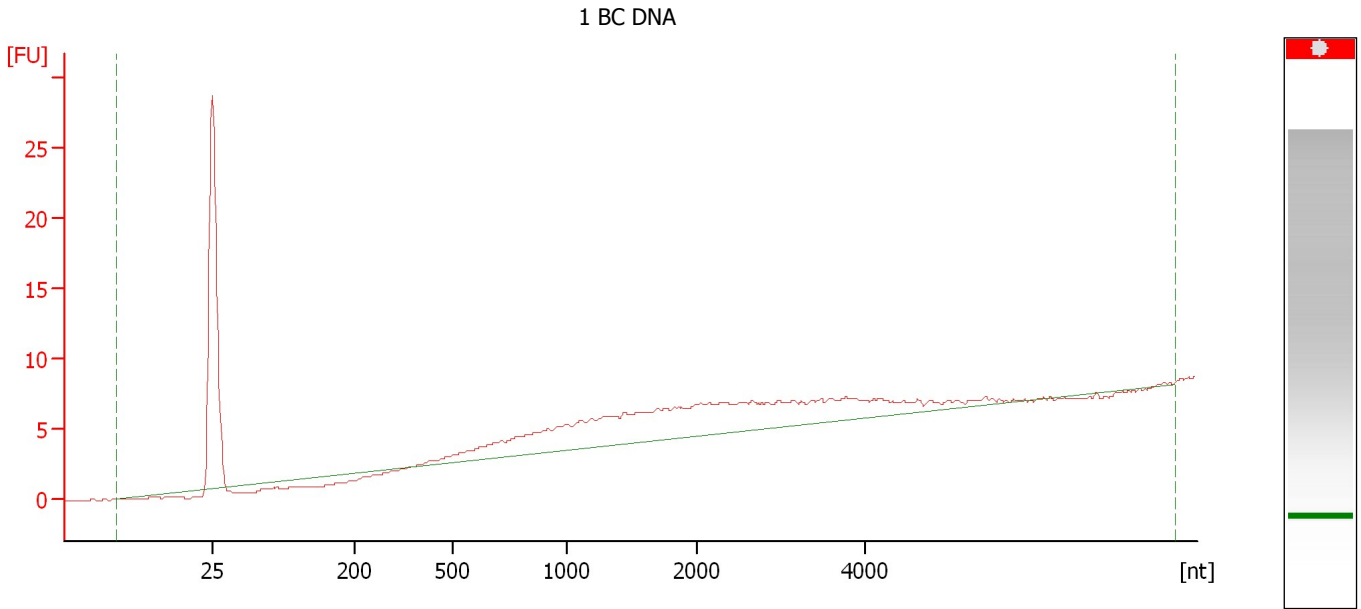
Overall Results for Ladder

RNA Area:	232.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary Continued ...



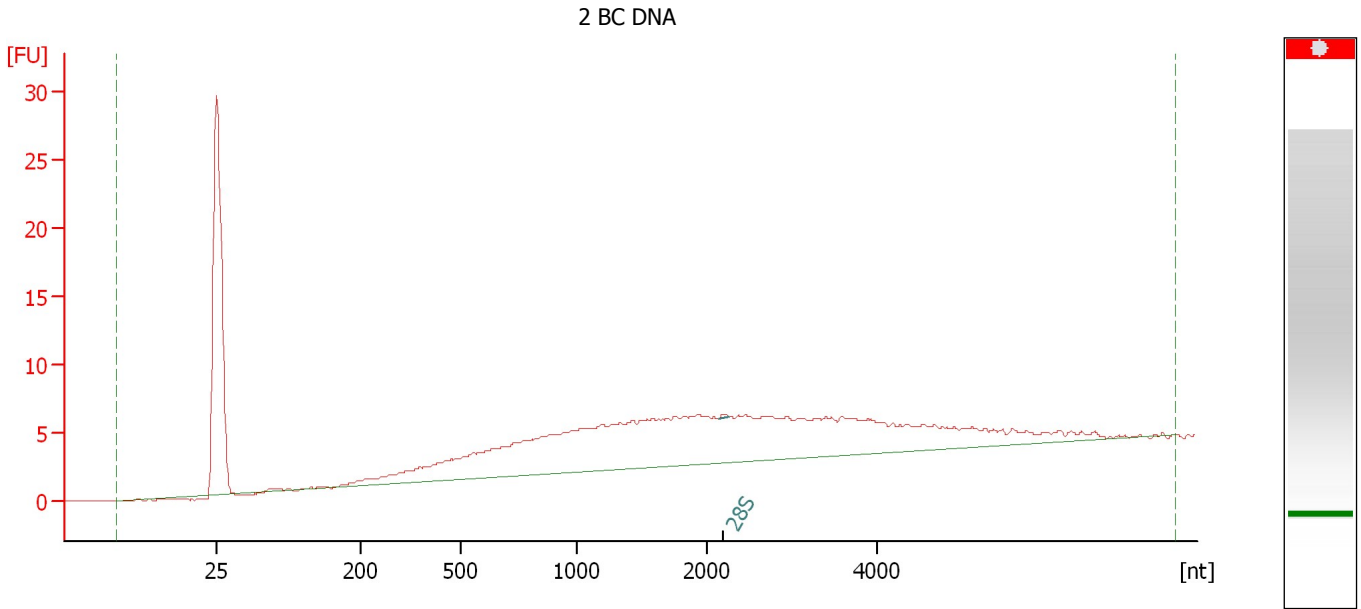
Overall Results for sample 1 : 1 BC DNA

RNA Area:	81.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	348 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2 BC DNA

RNA Area:	161.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	694 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

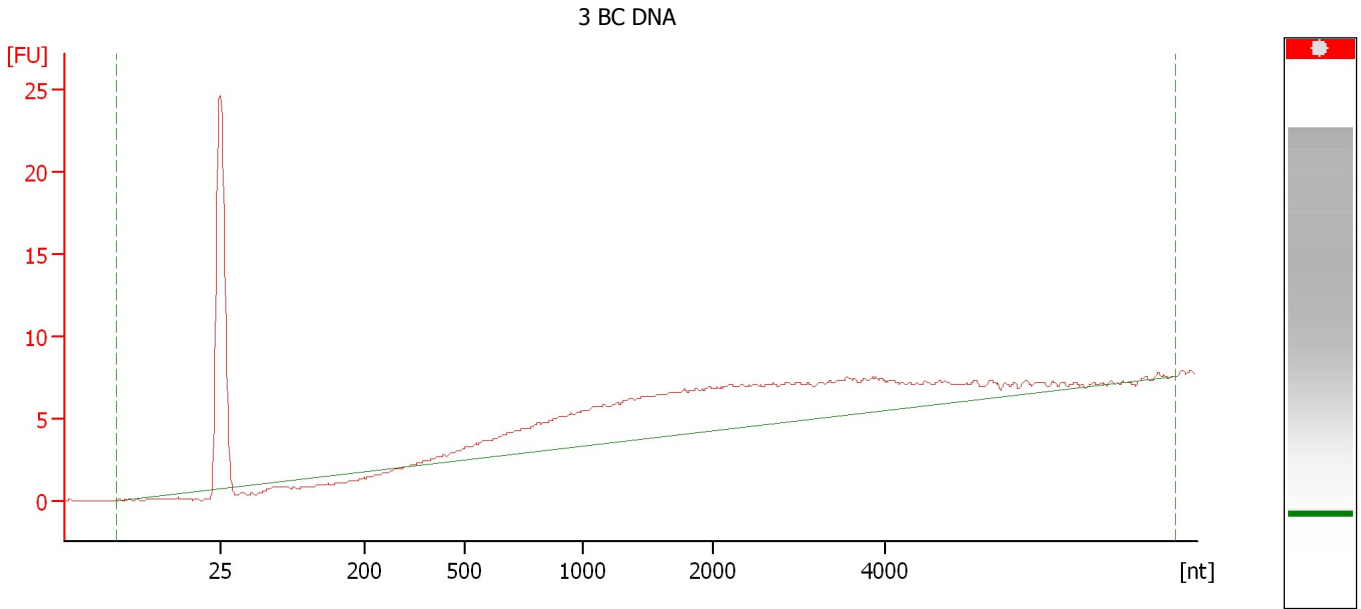
Fragment table for sample 2 : 2 BC DNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,146	2,247	0.1	0.1


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary Continued ...



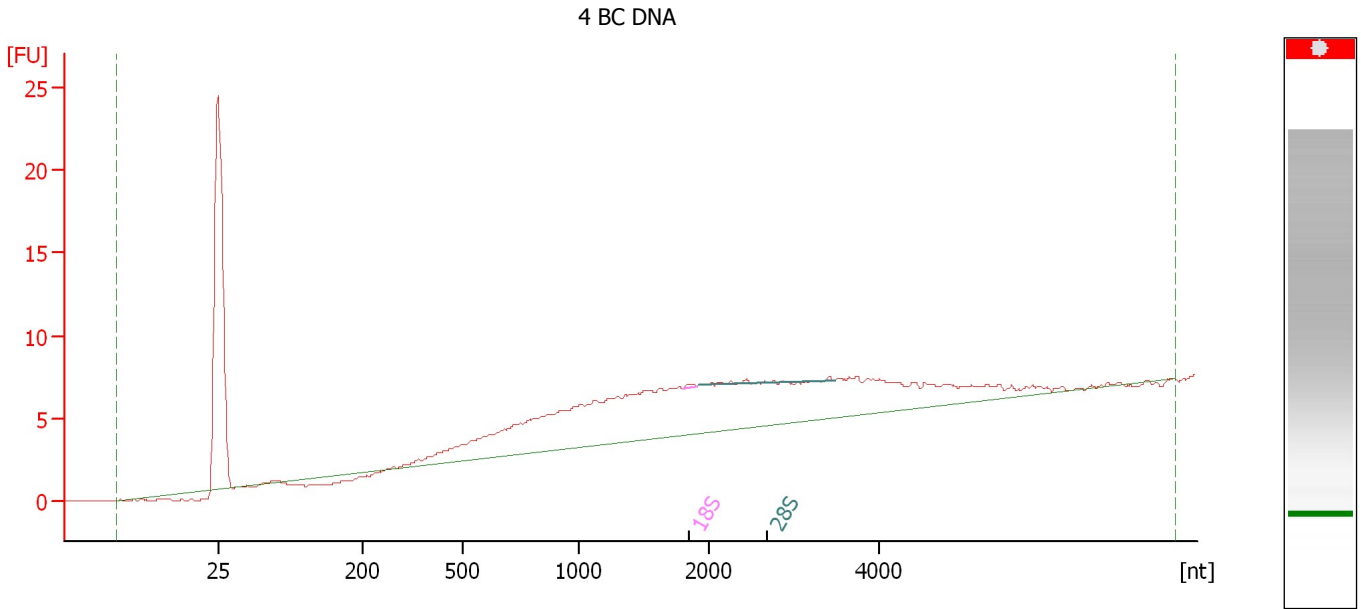
Overall Results for sample 3 : 3 BC DNA

RNA Area:	108.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	465 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4 BC DNA

RNA Area: 120.0 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 516 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 3.4 Result Flagging Label: RIN N/A

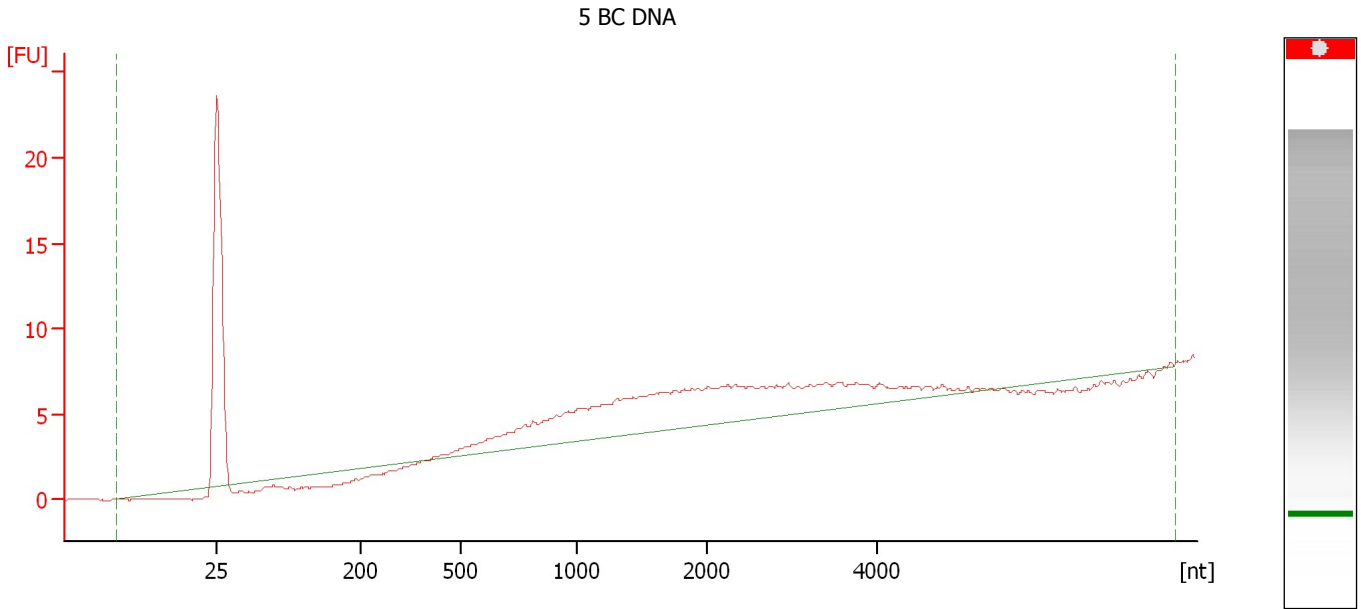
Fragment table for sample 4 : 4 BC DNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,801	1,899	0.2	0.2
28S	1,915	3,472	0.7	0.6


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary Continued ...



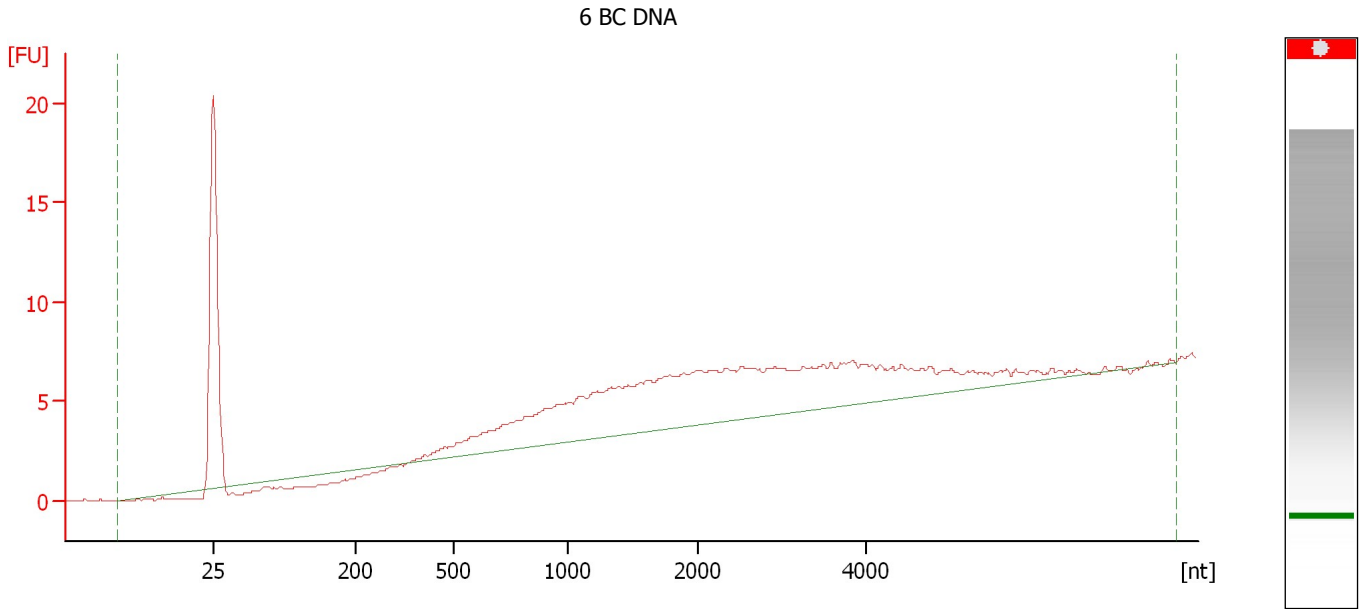
Overall Results for sample 5 : 5 BC DNA

RNA Area:	0.0	Result Flagging Color:	
RNA Integrity Number (RIN):	N/A (B.02.08)	Result Flagging Label:	RIN N/A


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary Continued ...



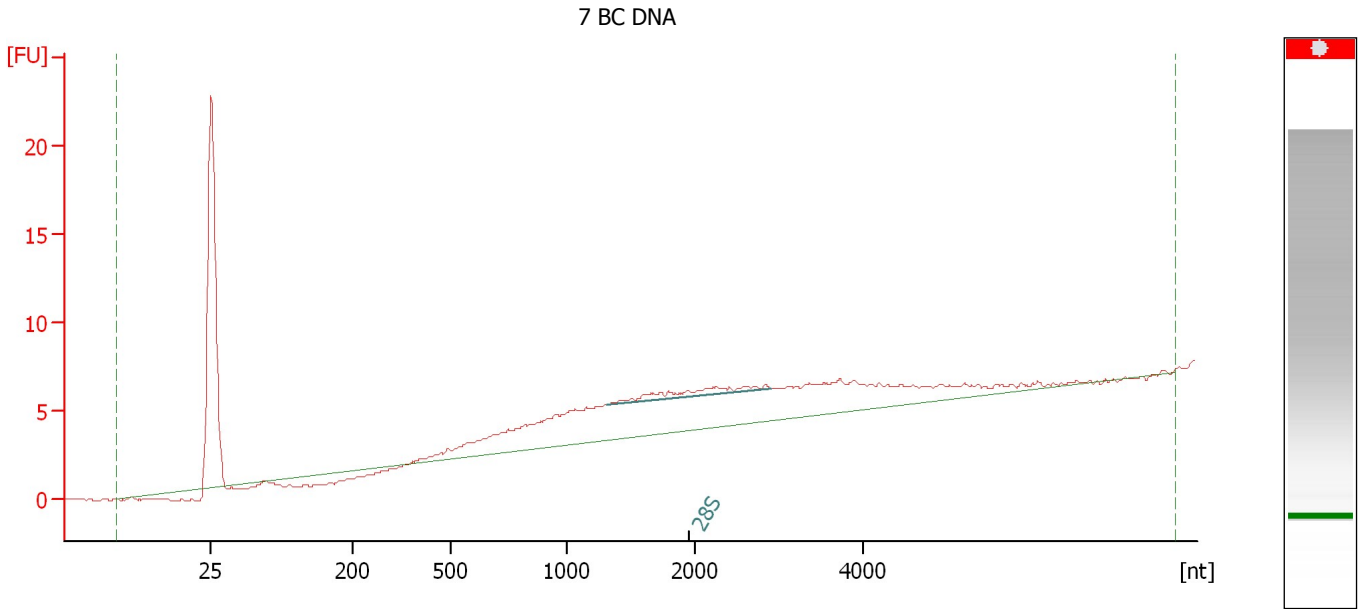
Overall Results for sample 6 : 6 BC DNA

RNA Area:	106.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	460 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
 Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7 BC DNA

RNA Area:	86.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	372 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

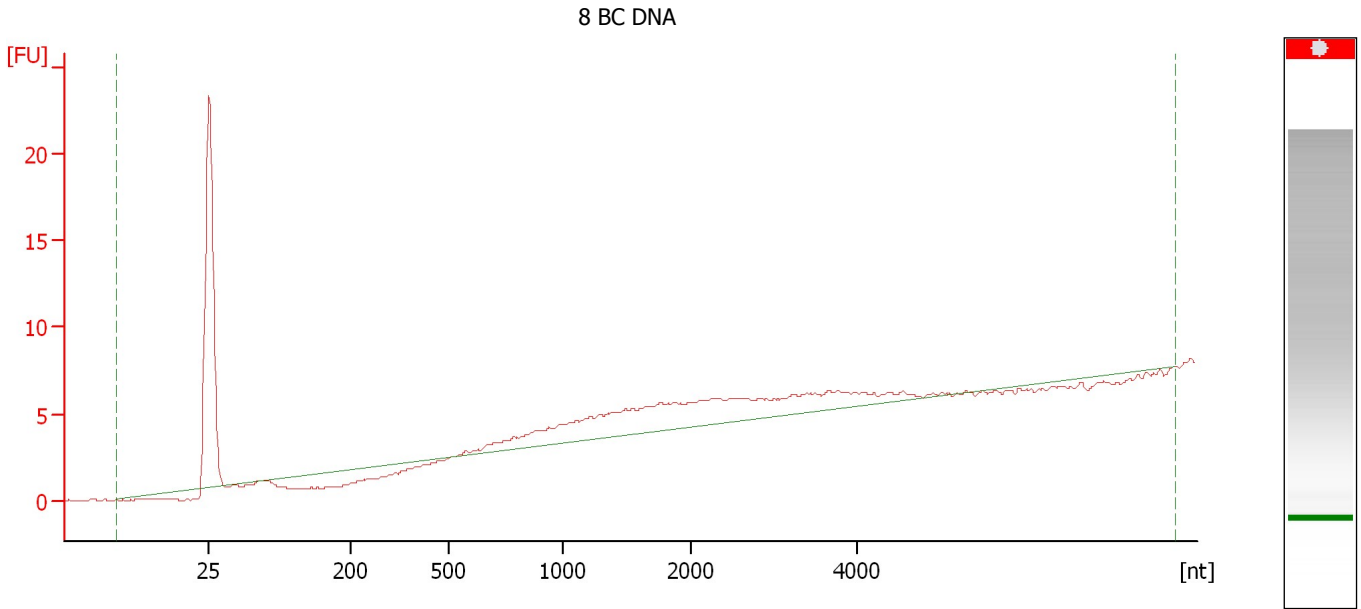
Fragment table for sample 7 : 7 BC DNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,316	2,908	3.8	4.4


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary Continued ...



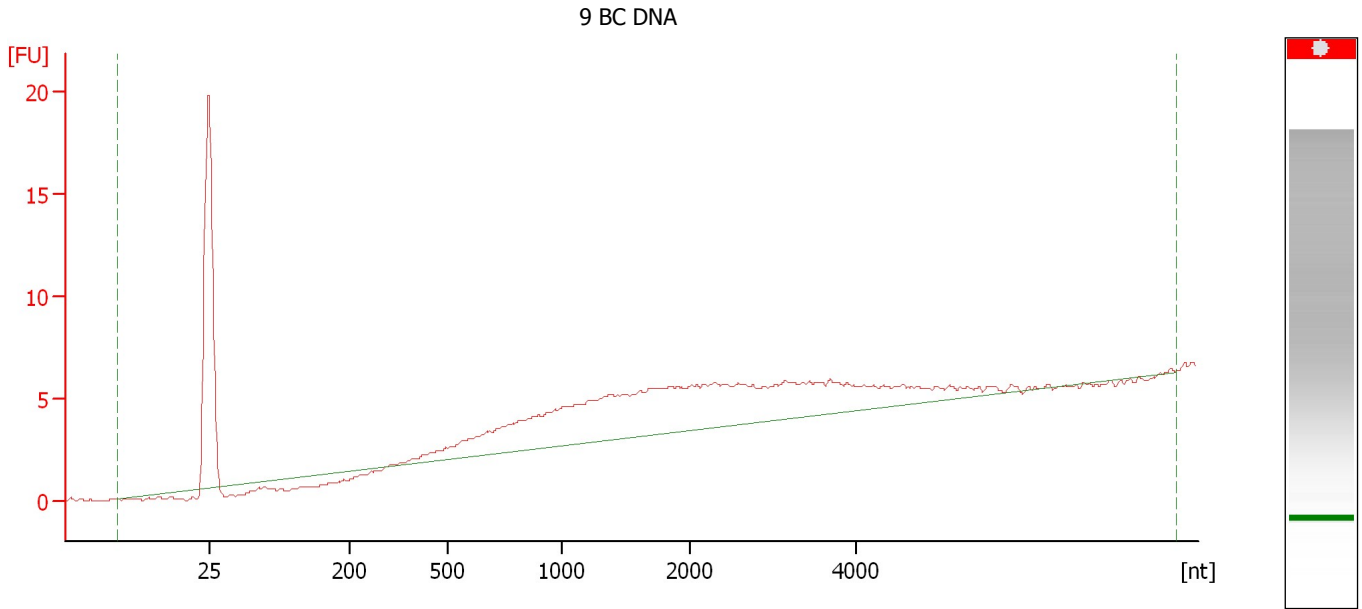
Overall Results for sample 8 : 8 BC DNA

RNA Area:	47.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	206 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary Continued ...



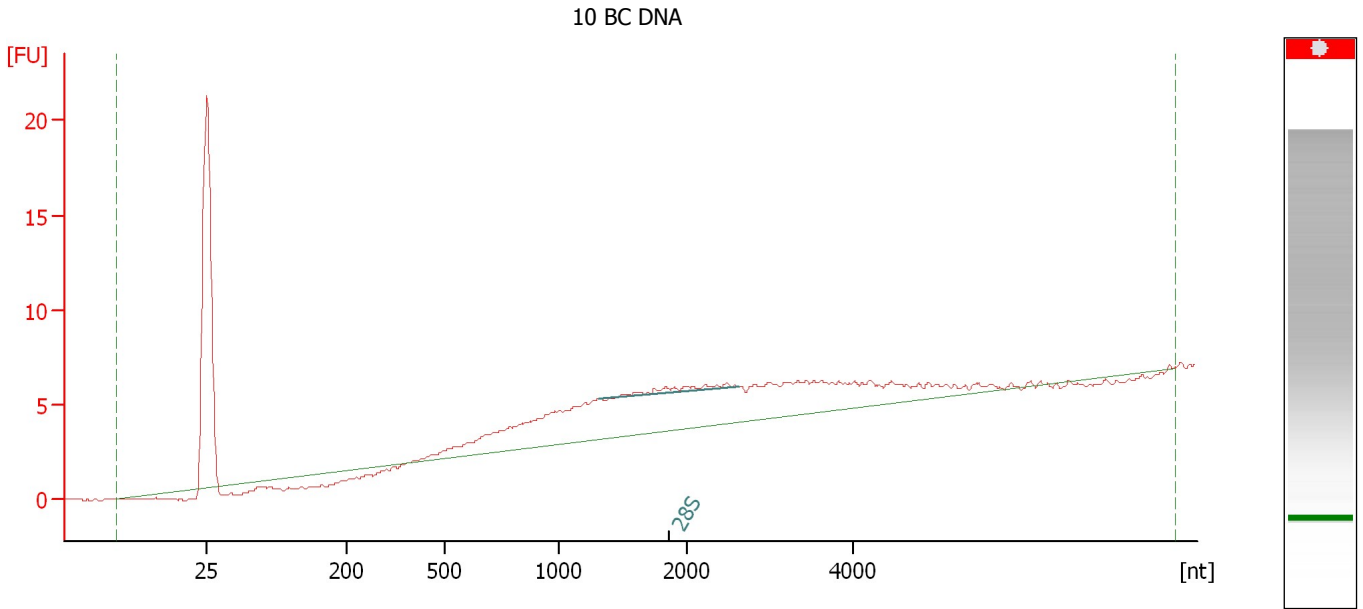
Overall Results for sample 9 : 9 BC DNA

RNA Area:	86.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	373 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 10 BC DNA

RNA Area:	81.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	352 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

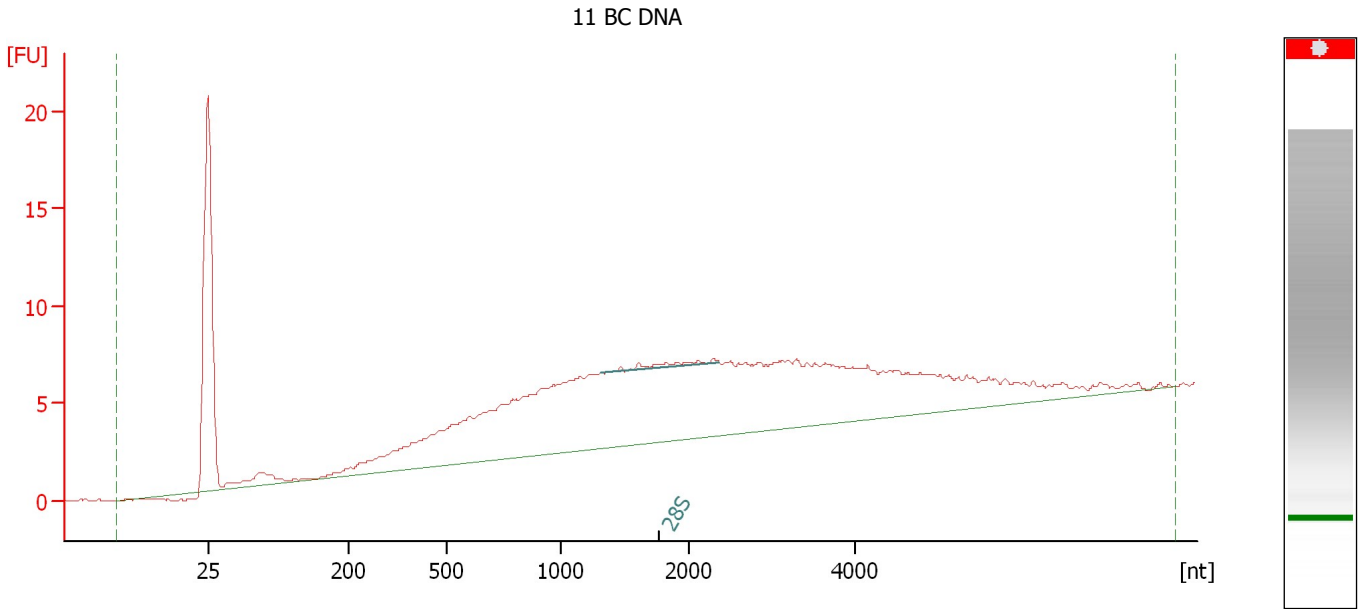
Fragment table for sample 10 : 10 BC DNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,309	2,643	2.0	2.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 11 BC DNA

RNA Area:	196.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	847 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

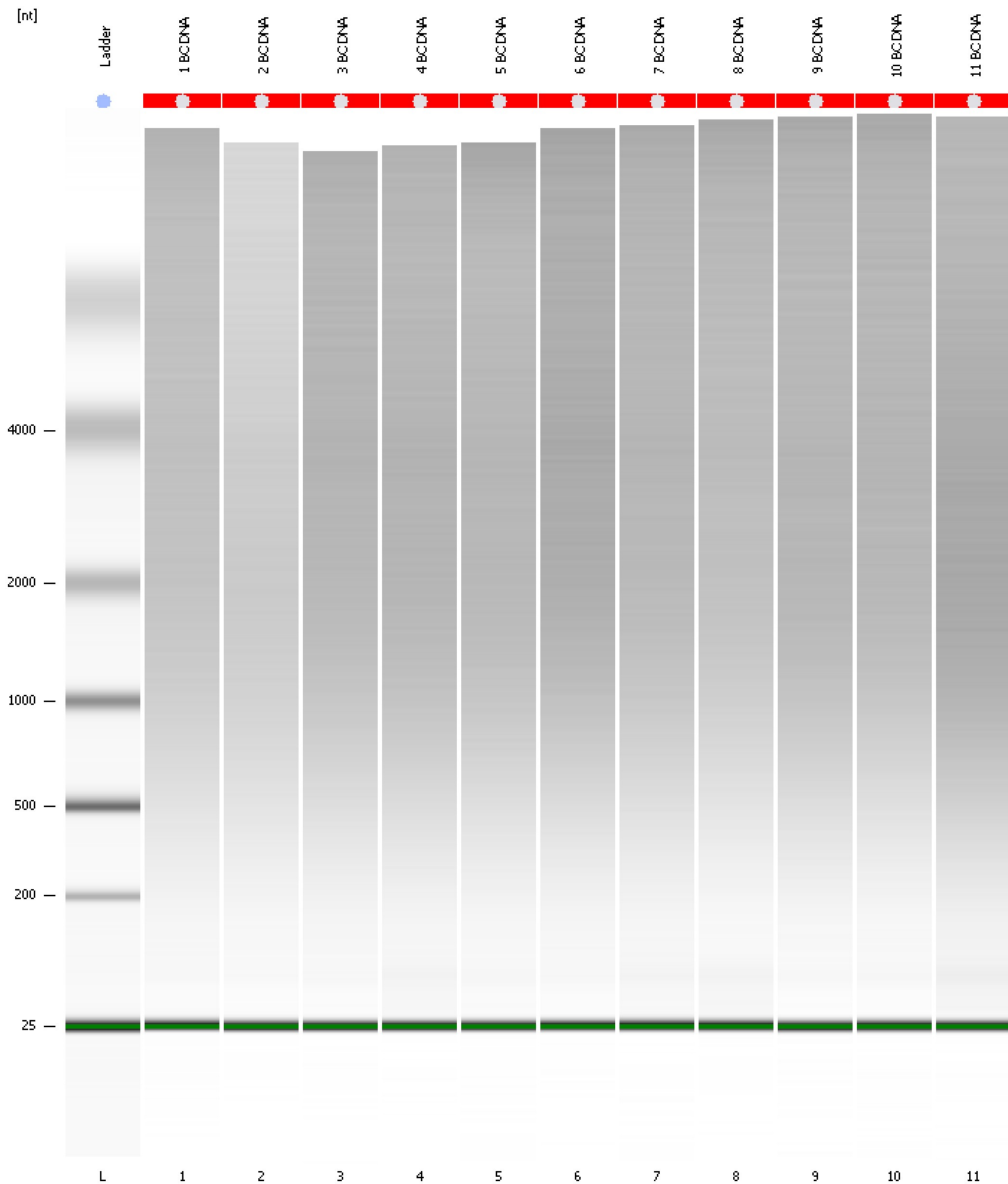
Fragment table for sample 11 : 11 BC DNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,311	2,373	1.1	0.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
Modified: 8/18/2016 12:39:30 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad

Created: 8/18/2016 12:16:37 PM
 Modified: 8/18/2016 12:39:30 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		8/18/2016 12:39:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-08-18\2016-08-18_002.xad)		Instrument	Run		8/18/2016 12:16:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/18/2016 12:16:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/18/2016 12:16:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/18/2016 12:16:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/18/2016 12:16:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/18/2016 12:16:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/18/2016 12:16:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1